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(71)Applicant: **NEOS CO LTD**

(72)Inventor: **KAWABATA OSAMU**
TANIMOTO FUMIO
INOUE YOSHIHARU

(54)

TETRAHYDRO-3-ETHYL-5-ISOBUTYL-4H-1,
3,5-OXADIAZIN-4-ONE

slightly soluble in water, has high dielectric constant, and shows remanence at specific electric potential difference.

(57)Abstract:

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NEW

MATERIAL:Tetrahydro-3-ethyl-5-isobutyl-4H-1,3,5-oxadiazin-4-one shown by the formula.

USE: An organic electrolyte. A medium for high-speed ink jet, solubilizer, reaction medium, and usable as functional fluid in various fields.

PREPARATION: 1-Ethyl-3-isobutylurea is reacted with formaldehyde to give a dimethylol compound of 1-ethyl-3-isobutylurea, which is subjected to ring formation through dehydration to give a compound shown by the formula I with a few side reactions by a simple operation in high purity and in high yield. This compound is a liquid compound

